

IN THE CLAIM:

1. (Currently Amended) A breath alcohol measuring device, comprising:

a holder; and

an alcohol sensor connected to said holder;

a mouthpiece designed as a pressure tube with a hole for sampling breathing gas for said

5 alcohol ~~an alcohol~~ sensor, the mouthpiece having a trapezoidal cross section, which is complementary to a corresponding negative shape in said holder for a flush mounting of said mouthpiece, said mouthpiece having a stop extending outside said holder when said trapezoidal section is in said holder, said stop extending in a circumferential direction of the trapezoidal cross section over at least some sections of said trapezoidal cross section, said stop setting a
10 position of said mouthpiece in the longitudinal direction in relation to said holder for alignment of an extending suction channel for sampling breathing gas to said hole.

2. (Original) A breath alcohol measuring device in accordance with claim 1, wherein the trapezoidal cross section of the mouthpiece is equilateral, and said hole for taking a breath sample is located in a shorter of two parallel sides of the cross section of the mouthpiece.

3. (Previously Presented) A breath alcohol measuring device in accordance with claim 1, further comprising: a sensor housing having a parallelepipedic form and said mouthpiece is received in said holder extending in parallel to one of two shorter end faces of the parallelepipedic form of said sensor housing.

4. (Cancelled)

5. (Original) A breath alcohol measuring device in accordance with claim 1, wherein said mouthpiece has a positioning pin, which is arranged outside said holder when the mouthpiece is mounted in said holder.

6. (Previously Presented) A breath alcohol measuring device in accordance with claim 1, wherein the alcohol sensor includes an electrochemical alcohol sensor in flow connection with said suction channel and a pump, wherein the breathing gas is sampled by means of a sampling stroke of said pump, said pump being arranged downstream of said electrochemical alcohol sensor with the breathing gas being drawn through said electrochemical alcohol sensor.

7. (Previously Presented) A breath alcohol measuring device in accordance with claim 1, wherein said holder and said mouthpiece are symmetrical in relation to the breath alcohol measuring device whereby said mouthpiece can be mounted in said holder without a preferred direction in two different positions forming an angle of 180° with each other.

8. (Currently Amended) A breath alcohol measuring device, comprising:

a sensor housing with a suction channel;

an alcohol sensor arranged in said sensor housing;

a holder connected to said sensor housing, said holder having a receiving portion; and

5 a mouthpiece with a breathing gas passage with a hole for sampling breathing gas, the mouthpiece including a portion with surfaces defining a trapezoidal cross section, said receiving portion of said holder being complementary to some of said surfaces defining the trapezoidal cross section for a firm seating of said mouthpiece in said holder.

9. (Original) A breath alcohol measuring device in accordance with claim 8, wherein the trapezoidal cross section of the mouthpiece is equilateral, and said hole for taking a breath sample is located in a shorter of two parallel sides of the cross section of the mouthpiece.

10. (Original) A breath alcohol measuring device in accordance with claim 8, wherein said sensor housing has a parallelepipedic form and said mouthpiece is received in said holder extending in parallel to one of two shorter end faces of the parallelepipedic sensor housing.

11. (Original) A breath alcohol measuring device in accordance with claim 9, wherein said mouthpiece has a stop extending radially outwardly of the trapezoidal cross section over at least some sections of said trapezoidal cross section, said stop setting a position of said mouthpiece in a longitudinal direction in relation to said holder for alignment of an extending
5 suction channel for sampling breathing gas to said hole.

12. (Original) A breath alcohol measuring device in accordance with claim 9, wherein said mouthpiece has a positioning pin, which is arranged outside said holder when the

mouthpiece is mounted in said holder.

13. (Original) A breath alcohol measuring device in accordance with claim 11, wherein the alcohol sensor includes an electrochemical alcohol sensor in said sensor housing and in flow connection with said suction channel and includes a pump in said sensor housing, wherein the breathing gas is sampled by means of a sampling stroke of said pump, said pump being arranged downstream of said electrochemical alcohol sensor with the breathing gas being drawn through said electrochemical alcohol sensor.

14. (Original) A breath alcohol measuring device in accordance with claim 9, wherein said holder and said mouthpiece are symmetrical in relation to said sensor housing whereby said mouthpiece can be mounted in said holder without a preferred direction in two different positions forming an angle of 180° with each other.

15. (Currently Amended) A breath alcohol measuring device comprising:
a mouthpiece with a breathing gas passage with a sampling hole for sampling breathing gas, the mouthpiece including a portion with a trapezoidal cross section;
a sensor housing with a suction channel;
an alcohol sensor arranged in said sensor housing and in communication with said breathing gas passage;
a holder connected to said sensor housing, said holder defining a groove with open

longitudinal ends, said groove having a partial trapezoidal shape substantially complementary to surfaces of said trapezoidal cross section portion of said mouthpiece for firmly seating said mouthpiece into said holder.

16. (Previously Presented) A breath alcohol measuring device in accordance with claim 15, wherein:

said mouthpiece includes a stop arranged to abut one of said longitudinal ends of said groove when said mouthpiece is arranged in said holder and said sampling hole is in communication with said suction channel.

17. (Previously Presented) A breath alcohol measuring device in accordance with claim 16, wherein:

said mouthpiece, said stop and said holder are arranged for said stop to abut either one of said longitudinal ends when said mouthpiece is arranged in said holder and said sampling hole is in communication with said suction channel.

18. (Previously Presented) A breath alcohol measuring device in accordance with claim 15, wherein:

said gas passage in said mouthpiece extends substantially parallel to said groove.

19. (Previously Presented) A breath alcohol measuring device in accordance with claim

15, wherein:

said mouthpiece longitudinally extends beyond said holder and said housing in both longitudinal directions.